

Name of the Faculty: Dr. Moumita Das

Designation: Assistant Professor, Department of Food and Nutrition

Specialization: Nutritional Biochemistry, Food Science, Nutrition and Technology.

Publication Details:

Journal

1. **Das, Moumita**, and Suresh Kumar Gurusiddaiah. "Ergosterol fraction from *Agaricus bisporus* modulates adipogenesis and skeletal glucose uptake in high fat diet induced obese C57BL/6 mice." *Life Sciences* 315 (2023): 121337. **Impact Factor: 6.78**
2. **Das, Moumita**, V. P. Mayookha, V. Geetha, R. Chetana, and G. Suresh Kumar. "Influence of different drying techniques on quality parameters of mushroom and its utilization in development of ready to cook food formulation." *Journal of Food Science and Technology* 60, no. 4 (2023): 1342-1354. **Impact Factor: 3.1**
3. **Das, Moumita**, V. Geetha, Mehrdad Zarei, and Nanishankar V. Harohally. "Modulation of obesity associated metabolic dysfunction by novel lipophilic fraction obtained from *Agaricus bisporus*." *Life Sciences* 305 (2022): 120779. **Impact Factor: 6.78**
4. **Das, Moumita**, and G. Suresh Kumar. "Potential role of mycosterols in hyperlipidemia—A review." *Steroids* 166 (2021): 108775. **Impact Factor: 2.76**
5. **Das, Moumita**, Mehrdad Zarei, Mayookha VP, and Nanishankar V. Harohally. "Studies on the partial characterization of extracted glycosaminoglycans from fish waste and its potentiality in modulating obesity through in-vitro and in-vivo." *Glycoconjugate Journal* 39, no. 4 (2022): 525-542. **Impact Factor: 3.0**
6. Pimpley, Vaibhavi A., **Moumita Das**, Suresh Kumar Gurusiddhaiah, and Pushpa S. Murthy. "Modulatory effect of green coffee bioactives on high-fat diet–induced obesity in C57BL6 mice model." *Nutrition* 115 (2023): 112141. **Impact Factor: 4.4**
7. Patil, Siddhi, **Moumita Das**, G. Suresh Kumar, and Pushpa S. Murthy. "Coffee leaf extract exhibits anti-obesity property and improves lipid metabolism in high-fat diet-induced C57BL6 obese mice." *3 Biotech* 13, no. 8 (2023): 278. **Impact Factor: 2.8**
8. Geetha, V., Mayookha, V. P., **Das, M.**, & Kumar, G. S. (2024). Bioactive carbohydrate polymers from marine sources as potent nutraceuticals in modulating obesity: a review. *Food Science and Biotechnology*, 1-12. **Impact Factor: 2.9**
9. Venkatesh, G., **Das, M.**, Ramakrishna, C., & Kumar, G. S. (2023). Development and Characterization of Functional Low Calorie Gelatin Gummies Enriched with Glycosaminoglycans

Extracted from Mackerel Fish Waste. *Journal of Aquatic Food Product Technology*, 32(8-9), 599-613. **Impact factor: 1.6**

10. Jadhav, H. B., **Das, M.**, Das, A., Geetha, V., Choudhary, P., Annapure, U., & Alaskar, K. (2024). Enhancing the functionality of plant-based proteins with the application of ultrasound—A Review. *Measurement: Food*, 100139.

Articles in Scientific magazine:

1. Das Moumita and Das Arpita. Intelligent Packaging and Its application in Food Sector: An overview. *Food Infotech Magazine*, 2024. <https://www.foodinfotech.com/food-infotech-magazine-january-issue-2024/>

2. Das, Moumita. Emerging role of Mushrooms and Mycoosterols in Healthy Living. *Food Infotech Magazine*, 2024. <https://www.foodinfotech.com/emerging-role-of-mushrooms-and-mycosterols-in-healthy-living/>

Book Chapter:

1. Mayookha V P, Geetha V, **Moumita Das** & Suresh Kumar G. Neurodegenerative Disease: Prevention and Treatment Through Plant Extracts Therapy. *Frontiers in Clinical drug research- CNS and Neurological Disorders*. *Frontiers in Clinical drug research- CNS and Neurological Disorders*, 2020.